

### AMENDMENTS TO THE CLAIMS

1. (Currently amended) A biologically active substance-immobilized device, which comprises:

a-base particles each comprising a core particle and an organic compound having two or more hydrophilic groups ~~and, wherein the organic compound is~~ immobilized on the core particle by a chemical bond, and

a biologically active substance bonded to the base particles via the organic compound,

wherein the chemical bond is selected from covalent bond, coordinate bond and ionic bond, and wherein the core particle and the biologically active substance are bonded by a reaction with a functional group selected from the group consisting of carbodiimide group, ester group, carbonate group, epoxy group and oxazoline group.

2. (Previously presented) The device according to claim 1, monodispersed in an aqueous medium.

3. (Currently amended) The device according to claim 1, wherein the base particles ~~has~~ have an average particle diameter of 0.01 to 100  $\mu\text{m}$ .

4. (Currently amended) The device according to claim 1, wherein the base particles ~~has~~ have a spherical or substantially spherical shape.

5. (Currently amended) The device according to claim ~~14~~, wherein at least one of  $CV_b$  ratio and  $CV_c$  ratio defined by the following equations is 0.6 to 3.0:

$$CV_b \text{ ratio} = CV_1 / CV_3$$

$$CV_c \text{ ratio} = CV_2 / CV_3$$

$$CV_1 = (\text{Standard deviation of core particle diameter} / \text{Average core particle diameter}) \times 100$$

$$CV_2 = (\text{Standard deviation of base particle diameter} / \text{Average base particle diameter}) \times 100$$

$$CV_3 = (\text{Standard deviation of device diameter} / \text{average device particle diameter}) \times 100.$$

6. (Cancelled)

7. (Previously presented) The device according to claim 1, wherein the organic compound is a compound represented by the following formula:



wherein  $A_x$  and  $A_y$  independently represent a segment having a functional group that exhibits hydrophilicity and may be identical or different,  $R$  independently represents an organic group of two or more valences,  $X$  independently represents carbodiimide group, epoxy group or oxazoline group, and  $n$  is an integer of 2 to 80.

8. (Previously presented) The device according to claim 1, wherein the biologically active substance is selected from a nucleic acid, protein, hapten and saccharide.

9. (Previously presented) The device according to claim 1, which is for detecting or measuring a second biologically active substance contained in a sample by using a specific bond of the biologically active substance and the second biologically active substance in the sample.

10. (Previously presented) The device according to claim 1, wherein the biologically active substance is an agent for therapeutic treatment of a disease.

11. (Previously presented) The device according to claim 7, wherein  $n$  is an integer of 2 to 40.

12. (Withdrawn-Currently amended) A method of detecting or measuring a second biologically active substance in a sample comprising the step of binding the second biologically active substance to the biologically active substance bound to the base particles in the device of claim 1.

13. (New) The device according to claim 1, wherein the organic compound having two or more hydrophilic groups has water solubility.